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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Choi et al.  
App. No.: 10/806,956 GPAU: 2834  
Filing Date: March 23, 2004 Examiner: Thomas M. Dougherty  
Dkt. No.: PA128-04D09 Conf. No.: 2332  
For: APPARATUS TO CONTROL DISPLACEMENT OF A BODY SPACED-APART  
FROM A SURFACE

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449  
☐ Other:

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

For the Examiner's convenience, items that were cited in the parent patent application are marked with bold font and, therefore, copies are not re-supplied.

This Information Disclosure Statement is being filed:

during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.

The Commission is hereby authorized to charge the \$180.00 fee to the Molecular Imprints, Inc. Deposit Account, No. 502650. If the Commissioner believes additional fees are due, the Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed: *Katrina Prati*  
Typed Name: Katrina Prati

Date: 3-23-05

Respectfully Submitted,



Kenneth C. Brooks,  
Reg. No. 38,393  
Legal Department  
Molecular Imprints, Inc.  
P.O. Box 81536  
Austin, TX 78758-1536  
(512) 339-7760  
(512) 491-8918 (fax)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

<b>APPLICATION NUMBER</b>	10/806,956
<b>FILING DATE</b>	03/23/2004
<b>FIRST NAMED INVENTOR</b>	Choi et al.
<b>Group Art Unit</b>	2834
<b>Examiner Name</b>	Dougherty, Thomas M.
<b>Attorney Docket Number</b>	PA128-04D09

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

	D1	4,731,155		Napoli et al.	3/15/1988	
	D2	5,425,848		Haisma et al.	6/20/1995	
	D3	5,772,905		Chou	6/30/1998	
	D4	6,309,580	B1	Chou	10/30/2001	
	D5	6,334,960	B1	Willson et al.	1/1/2002	
	D6	6,391,217	B2	Schaffer et al.	5/21/2002	
	D7	6,696,220	B2	Bailey et al.	2/24/2004	
	D8	2002/0177319	A1	Chou	11/28/2002	
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	D10	3,527,062		Bilinski et al.	9/8/1970	
	D11	5,063,321		Carter	11/5/1991	
	D12	5,270,984		Mine	12/14/1993	
	D13	6,411,010	B1	Suzuki et al.	6/25/2002	
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	D15	6,518,189	B1	Chou	2/11/2003	
	D16	2004/0192041	A1	Jeong et al.	9/30/2004	
	D17	6,188,150	B1	Spence	2/13/2001	
	D18	6,828,244	B2	Chou	12/7/2004	

Examiner  
SignatureDate  
Considered

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Sheet	2	of	5		

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	D19	6,809,356	B2	Chou	10/26/2004	
	D20	2004/0197843	A1	Chou et al.	10/7/2004	
	D21	2004/0156108	A1	Chou et al.	8/12/2004	
	D22	2004/0137734	A1	Chou et al.	7/15/2004	
	D23	2004/0131718	A1	Chou et al.	7/8/2004	
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	D34	5,601,641		Stephens	2/11/1997	
	D35	5,849,209		Kindt-Larsen et al.	12/15/1998	
	D36	5,849,222		Jen et al.	12/15/1998	

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	D37	WO	2004/016406		Sreenivasan	2/26/2004		
	D38	WO	02/07199		Chou	1/24/2002		
	D39	WO	2004/114016		Chou et al.	12/29/2004		
	D40	WO	99/05724		Chou et al.	2/4/1999		
	D41	WO	03/010289		Chou et al.	2/6/2003		
	D42	WO	03/079416		Chou	9/25/2003		
	D43	WO	03/099536		Chou et al.	12/4/2003		
	D44	WO	2004/013693		Watts et al.	2/12/2004		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

	D45	Chou, Nanoimprint Lithography and Lithographically Induced Self-Assembly, MRS Bulletin, pp. 512 - 517, 7/1/2001	
	D46	Choi et al., Design of Orientation Stages for Step and Flash Imprint Lithography, Precision Engineering, pp. 192 - 199, 1/1/2001	
	D47	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	D48	Chou et al., Imprint Lithography with 25-Nanometer Resolution, Science Vol. 272, pp. 85 - 87, 4/5/1996	
	D49	Chou et al., Imprint Lithography with Sub-10 nm Feature Size and High Throughput, Microelectronic Engineering 35, pp. 237 - 240, 1/1/1997	
	D50	Haisma et al., Mold-assisted Nanolithography: A Process for Reliable Pattern Replication, J. Vac. Sci. Technol. B, pp 4124 - 4128, 11/1/1996	
	D51	Chou et al., Imprint of Sub-25 nm Vias and Trenches in Polymers, Appl. Phys. Lett. 67 (21), 11/20/1995	
	D52	Johnson et al., Advances in Step and Flash Imprint Lithography, SPIE Microlithography Conference, 2/23/2003	
	D53	Chou et al., Lithographically Induced Self-assembly of Periodic Polymer Micropillar Arrays, J. Vac. Sci. Technol. B 17 (6), pp. 3197 - 3202, 11/1/1999	

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	D54	Colburn et al., Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning, Proc. Of SPIE, vol. 3676, 3/1/1999	
	D55	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002	
	D56	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technology B 14(16), pp. 4129-4133, 11/1/1996	
	D57	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	D58	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	D59	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	D60	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	D61	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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